

Claims

1. A method for the electrical connection of an electrical conductor (4) to a contact element (1) with the following steps:

--Introduction of the electrical conductor (4) ensheathed with an insulation (6) between two legs (2, 3) of the contact element (1),

--Application of a welding device (7, 8) to both legs (2, 3),

--Conducting the welding process by switching on the welding current, whereby the heat introduced during the welding process breaks down the insulation (6) of the electrical conductor (4) and leads to a solid mechanical and electrical connection of the conductor (4) with the contact element (1).

2. The method according to claim 1, further characterized in that the welding process is a resistance welding.

3. The method according to claim 2, further characterized in that at the beginning of the welding process, the welding current flows over the two legs (2, 3) of the contact element and its connection point (9).

4. The method according to one of the preceding claims, further characterized in that the welding device (7, 8) is applied to the outer sides of the two legs (2, 3) lying opposite the conductor.

5. The method according to claim 4, further characterized in that a welding stamp (7, 8) of the welding device is applied in each case to one outer side of contact element (1).

6. The method according to one of the preceding claims, further characterized in that the contact element (1) is connected to a plug connector (11).

7. The method according to one of the preceding claims, further characterized in that the conductor (4) ensheathed with an insulation (6) is a flat flex conductor.

8. The method according to one of the preceding claims, further characterized in that the contact element (1) is bent in an S-shape.

9. The method according to one of claims 1 to 7, further characterized in that the contact element (1) is bent in a C-shape.

10. A plug connector (11) with a contact element (1) and an electrical conductor (4), which is connected to the contact element, is hereby characterized in that the connection between contact element (1) and electrical conductor (4) was produced according to a method according to one of claims 1 to 9.